

Environmental Reporting Logistics System (ERLS)

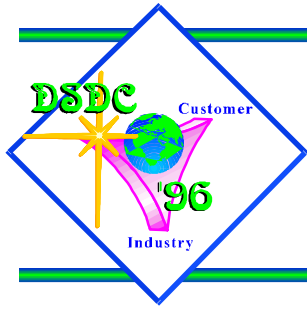
Presented By: Terry Mason

DSDC- RDW

COMM (801) 399-7555

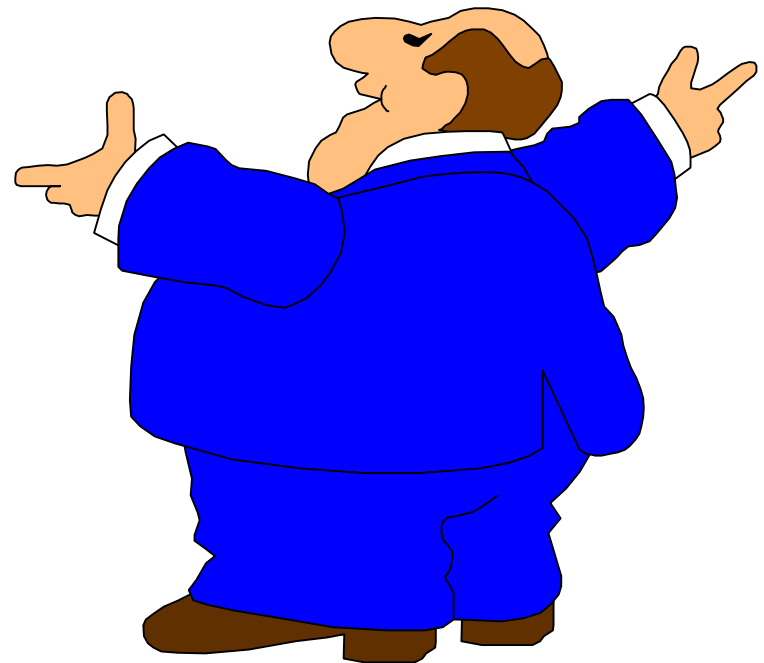
DSN 352-7555

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Overview

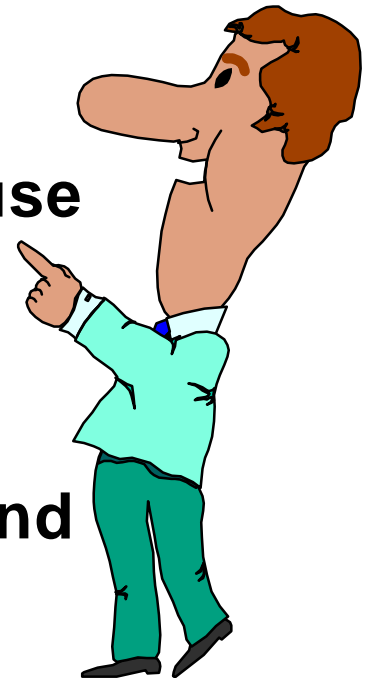
- Background - Why ERLS
- Management of Hazardous - the Problem
- ERLS Solves the Problem
- ERLS Build 1
- ERLS Technical Platform
- ERLS Build 2
- ERLS Build 3
- On-Line Demonstration
- Questions/Answers





Background

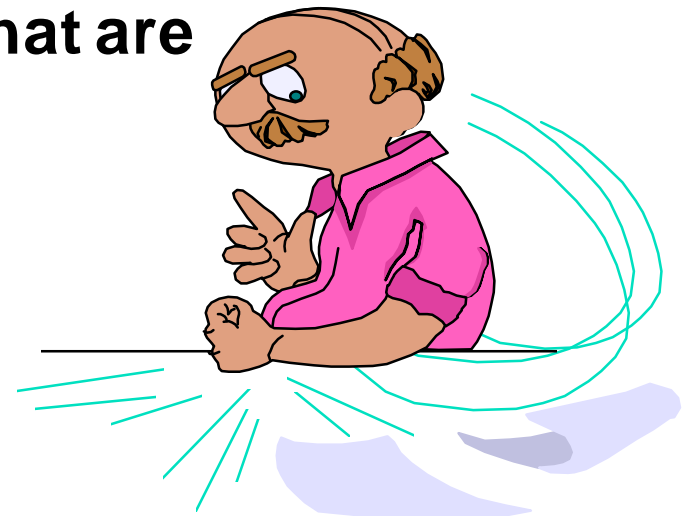
- **Executive Order 12856 “Emergency Planning Community Right to Know Act**
- **Executive Order 12873 “Federal Acquisition, Recycling and Waste Prevention”**
- **Executive Orders require DoD to account for use and disposal of HM/HW and toxic chemicals**
- **Local DoD commanders must cooperate with civilian authorities to prepare response to intentional and accidental release of HM/HW and toxic chemicals**





Management of Hazardous The Problem

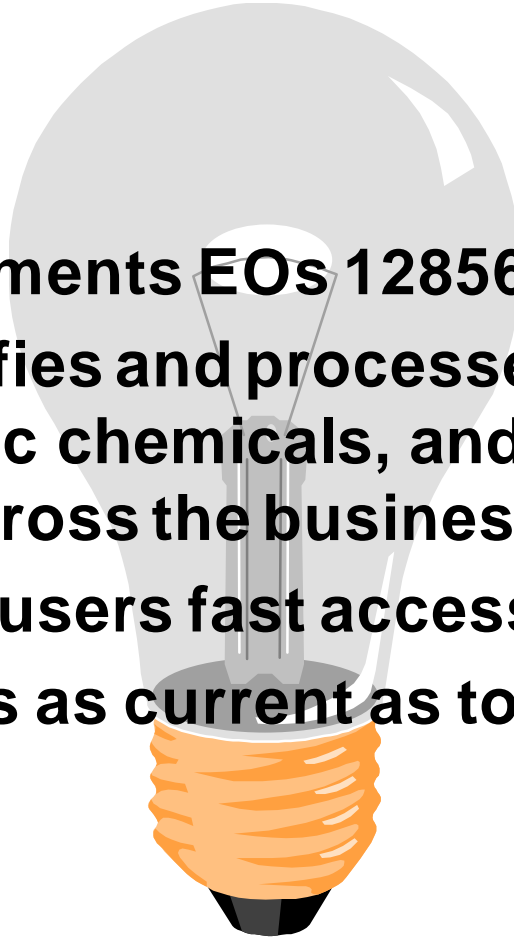
- **DLA Systems...SAMMS, BOSS, DAISY, DSS provide item identification information - they're of little help in management of HM/HW**
- **Current systems can't meet EO requirements**
- **Impossible to baseline HM/HW inventory**
- **Users can't identify products that are hazardous/toxic**

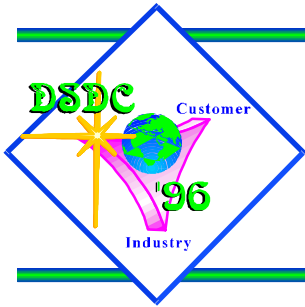




ERLS Solves the Problem

- **ERLS implements EOs 12856 & 12873**
- **ERLS identifies and processes information on HM/HW, toxic chemicals, and radioactive materials across the business process**
- **ERLS gives users fast access to hazardous data**
- **ERLS data is as current as today**





Building the ERLS System

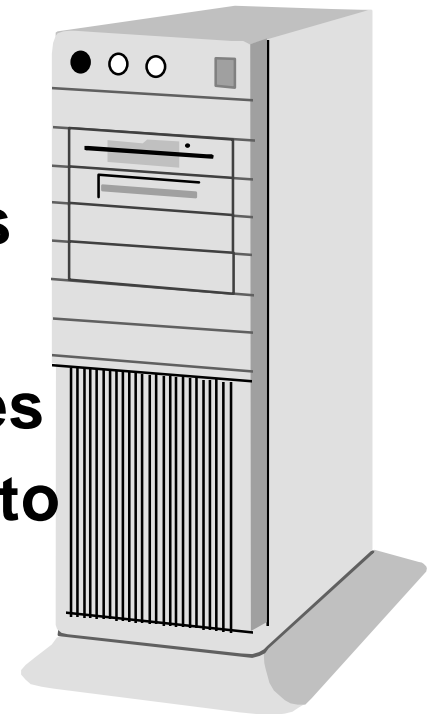
- **Build 1 - EPCRA Compliance**
- **Build 2 - Pollution Prevention**
- **Build 3 - Real time data sharing**





ERLS Build One

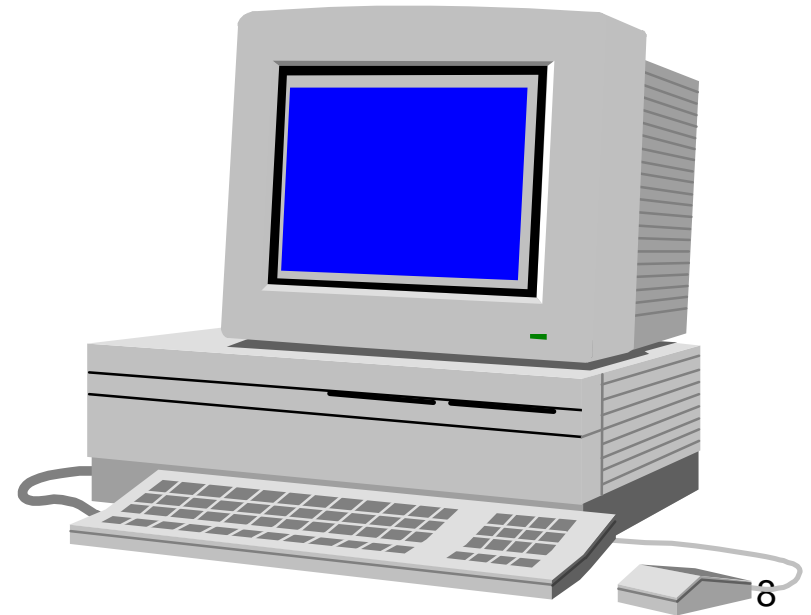
- **The baseline**
- **Builds an Environmental Data Warehouse to support EPCRA reporting**
- **Interfaces to DSS, BOSS, DAISY, HMIS**
- **Daily Data Extraction from DLA systems**
- **Flags Hazardous Items**
- **Tracks and Reports Threshold Quantities**
- **Converts from “stock number” balance to “chemical balance”**

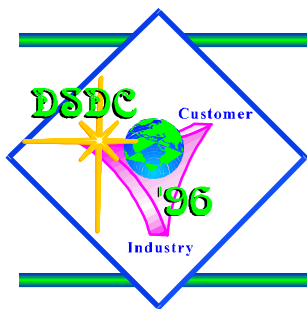




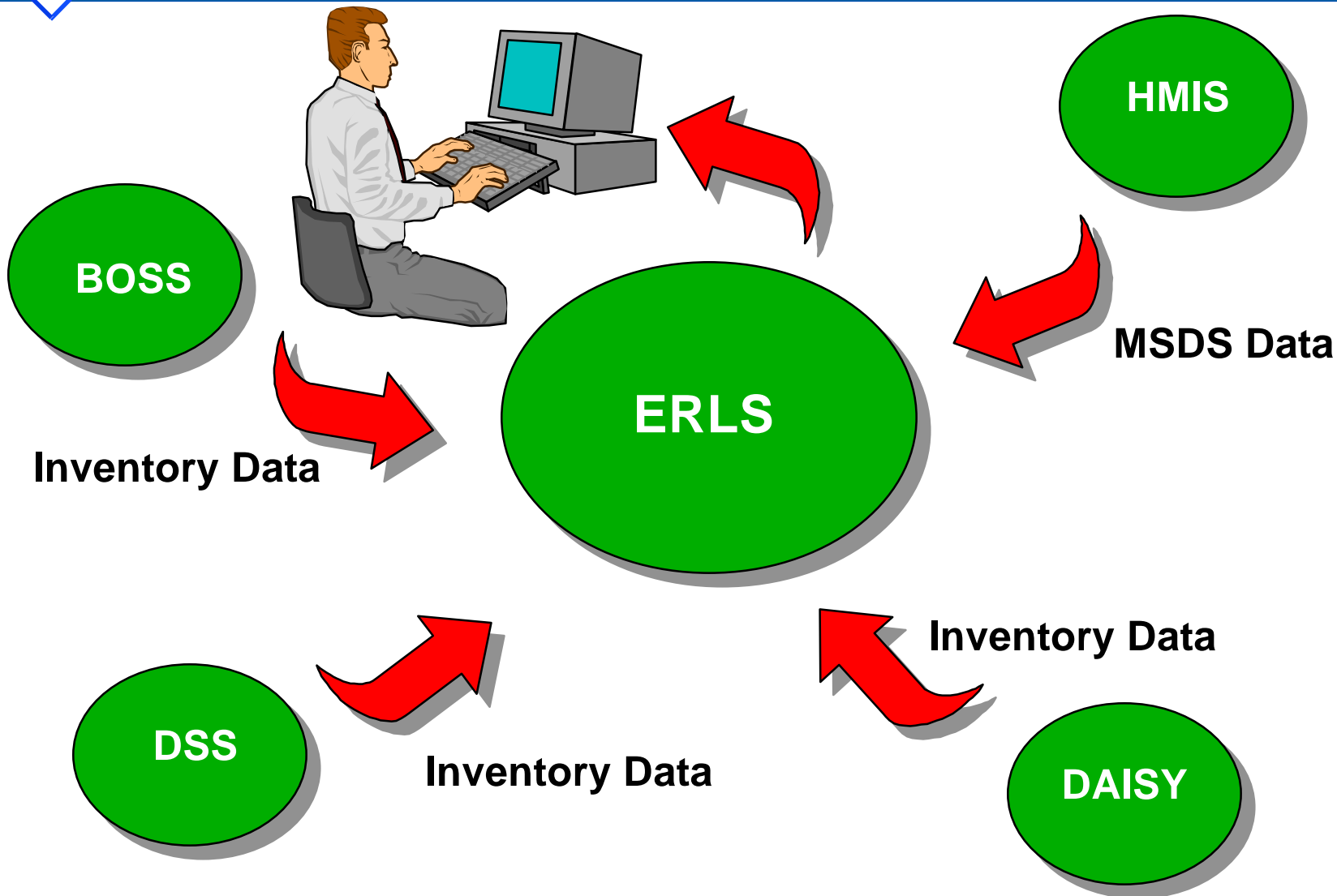
ERLS Build One..Contd.

- **Inventory by CAS**
- **Identifies Radioactive Materials**
- **Automated “spill” Information**
- **Reports - DoD, Federal, State, Local**





ERLS Build One - Links





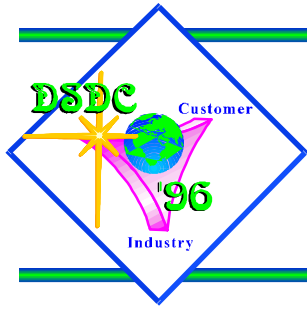
ERLS Build One Schedule

- | | |
|------------------------------------|---------------|
| • Requirements Definition | Completed |
| • PDR | Completed |
| • CDR | Completed |
| • Development | 80% Complete |
| • Developer Testing | Jun - Aug '96 |
| • Functional\Qualification Testing | Sep - Oct '96 |
| • Operational Testing | Nov - Dec '96 |
| • Deployment | Feb '97 |



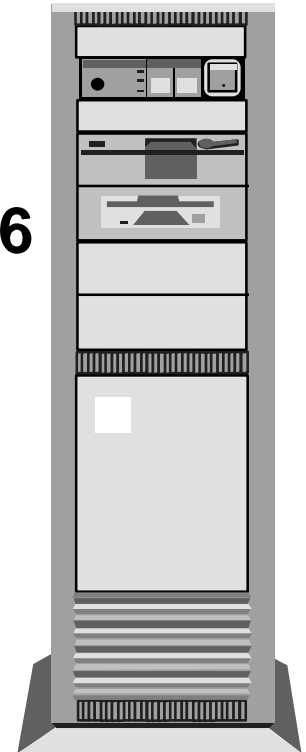
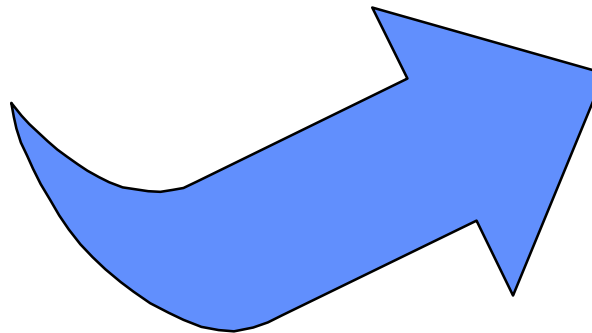
ERLS Technical Platform

- **Software**
 - **Client Server Application - Distributed Processing**
 - **Server - HP/UX Oracle 7 RDBMS**
 - **Client - Windows 3.1 or Greater (Windows 95)**
 - **Language - ICASE Generated "C"**



ERLS Technical Platform...Contd.

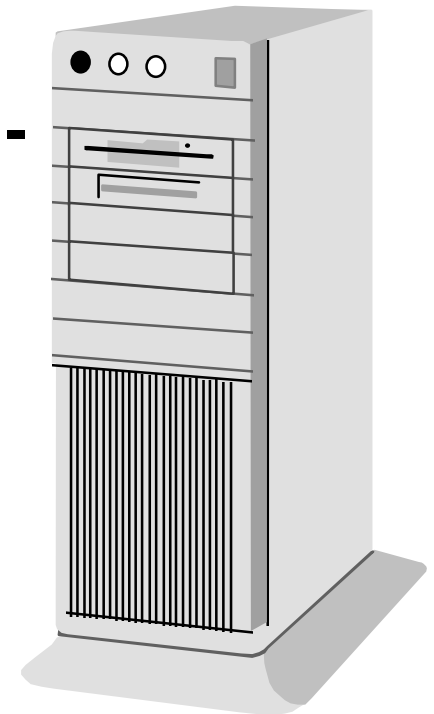
- **Hardware Platform**
 - **Server - HP T500 (Battle Creek, MI)**
 - **Client - IBM Compatible P.C. (Minimum 486 66Mhz, 16Mb RAM, 500Mb Hard Drive)**

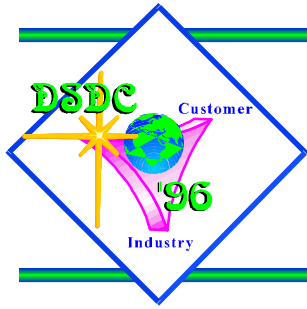




ERLS Build Two

- **Pollution Prevention**
- **Enhance/establish Links to SAMMS, BOSS, DAISY (HW), HSMS, FLIS**
- **“Buy Green” Environmental Preference - “Environmental Best Buy”**
- **Procurement Tracking Green vs. Red**
- **Substitutions**
- **Specification Review Tracking**





ERLS Build Two...Contd.

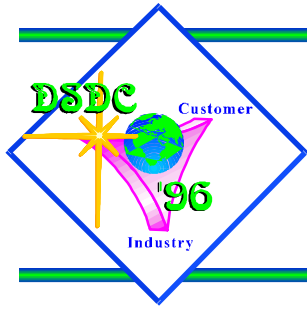
- **Goal Attainment Tracking**
- **Requisition Tracking**
- **Source Reduction**
- **Maintain Toxic Release Inventory (TRI)**
- **Data Sharing with HSMS for “Form R”**





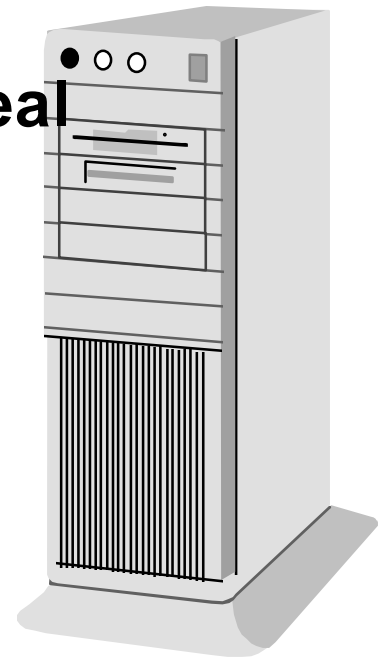
ERLS Build Two Schedule

- | | |
|------------------------------------|-------------------|
| • Requirements Definition | May '96 - Mar '97 |
| • PDR | Dec '96 |
| • CDR | Mar '97 |
| • Development | Apr - Jul '97 |
| • Developer Testing | Jun - Jul '97 |
| • Functional\Qualification Testing | Aug - Oct '97 |
| • Operational Testing | Oct - Nov '97 |
| • Deployment | Dec '97 |



ERLS Build Three

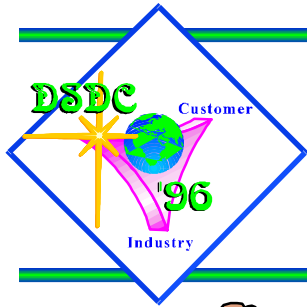
- Enhance links to SAMMS, BOSS, Procurement, HSMS
- Real Time Data Sharing
 - Upgrade Data Feeds from Systems to “Real Time” vs. Daily
- Incorporate “APP” Program



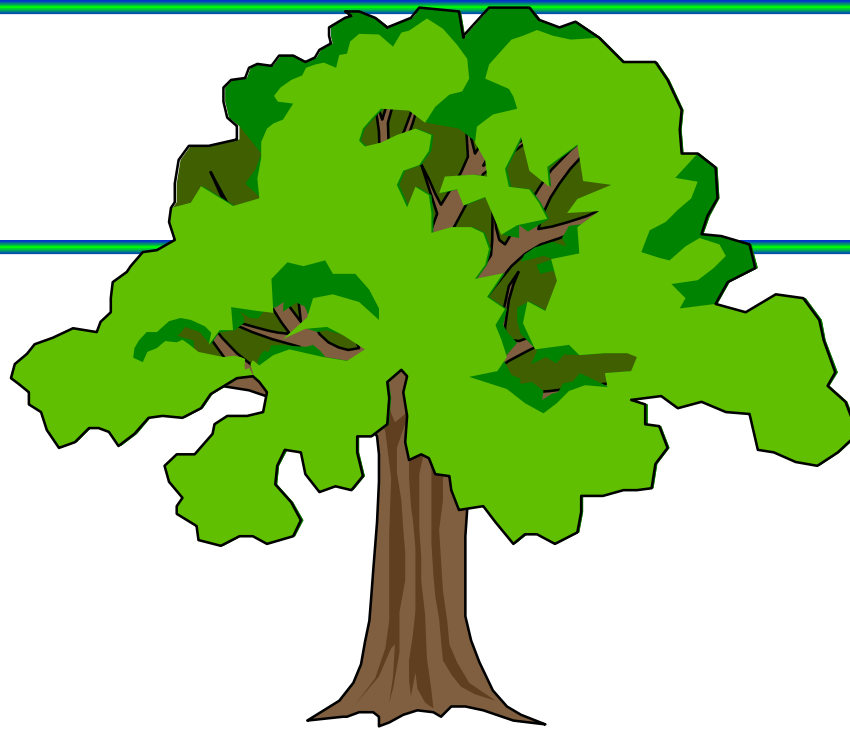


ERLS On-Line Demonstration





Questions & Answers



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